

HIGH-FREQUENCY SWITCH MODULE

Publication number: JP2002064401

Publication date: 2002-02-28

Inventor: KENMOCHI SHIGERU; WATANABE MITSUHIRO;
TADAI HIROYUKI

Applicant: HITACHI METALS LTD

Classification:

- International: H01P1/15; H03H7/075; H03H7/46; H04B1/44;
H01P1/10; H03H7/00; H03H7/075; H04B1/44; (IPC1-7):
H04B1/44; H01P1/15; H03H7/075; H03H7/46

- European:

Application number: JP20010175663 20010611

Priority number(s): JP20010175663 20010611; JP20000173253 20000609

[Report a data error here](#)

Abstract of JP2002064401

PROBLEM TO BE SOLVED: To provide a high-frequency switch module which is reduced in insertion loss and improved in receiving sensitivity in receiving. **SOLUTION:** A high-frequency switch module has a structure in which a first switching element is disposed between a transmission circuit and an antenna, a transmission line is disposed between the antenna and a receiving circuit, the end of the transmission line on the receiving circuit side is grounded through the intermediary of a second switching element, and a filter circuit is arranged between the antenna and the connecting point between the first switching element and the transmission line. The high-frequency switch module switches the signal path of high-frequency signals from one to another by the use of the first and second switching element, and the characteristic impedance of the transmission line is set at 30 to 45 Ω .

